

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings of claims in the Application.

Listing of Claims:

Claims 1 – 5 (Cancelled).

Claim 6 (Currently amended): A ~~process~~ method of decoding a video bitstream that includes forward error correction (FEC) codes, the ~~process~~ method comprising the steps of:

receiving the video bitstream, which includes both video data and FEC codes;

retrieving video data from the video bitstream;

~~evaluating determining if there is corruption in a portion of the video data retrieved to determine the presence of a corrupt portion thereof;~~

retrieving at least one of the FEC codes from the video bitstream ~~in response to a detection of corruption responsive to a positive determination of a corrupt portion of the video data as determined in the video data evaluating step;~~
and

~~correcting using the FEC codes to reconstruct the corrupt portion of the video data in accordance with the at least one of the FEC codes to recover uncorrupted video data therefrom such that the portion of the video data is recovered without corruption.~~

Claim 7 (Currently amended): The process method as defined recited in Claim 6, wherein the FEC codes correspond to Bose-Chaudhuri-Hocquenghem (BCH) codes.

Claim 8 (Currently amended): The process method as defined in claim 6, further comprising the steps of:

providing a buffer;
storing the video bitstream in a the buffer;
retrieving in the video data retrieving step the video data from the buffer ~~when retrieving video data from the video bitstream~~; and
retrieving in the FEC codes retrieving step the at least one of the FEC codes from the buffer ~~when retrieving the FEC codes from the video bitstream~~.

Claim 9 (Currently amended): The process method as defined recited in claim 8, wherein the buffer is a ring buffer.

Claim 10 (Currently amended): The ~~process~~ method as defined recited in claim 6, further comprising the steps of:

receiving in the video bitstream ~~retrieving the video data from~~ a packet for a video object plane (VOP) and ~~retrieving the FEC codes from~~ a user data video packet associated with the VOP;

retrieving in the video data retrieving step the video data from the packet for the VOP; and

retrieving in the FEC codes retrieving step the at least one of the FEC codes from the user data video packet.

Claim 11 (Currently amended): The ~~process~~ method as defined recited in claim 6, further comprising the steps of:

receiving in the video bitstream a header code that specifies a subset of video data to which one or more of the FEC codes correspond; [[,]]

determining in the video data evaluating step a subset of video data corresponding to the corrupt portion responsive to the positive determination of a corrupt portion of the video data;

retrieving in the FEC codes retrieving step the at least one of the FEC codes as specified by the header code; and

correcting in the video data correcting step applying the FEC codes only to
the subset of video data in accordance with the at least one of the FEC codes
specified by the header code.

Claim 12 (Currently amended): The process method as defined recited in claim 6, further comprising the step of concealing an error in a corresponding pixel with a gray color pixel when the portion of the video data cannot be recovered in the video data correcting step without corruption.

Claim 13 (Currently Amended): A process method of decoding a video bitstream that includes forward error correction (FEC) codes, the process comprising:

receiving the video bitstream, which includes both video data and FEC codes;

retrieving video data from the video bitstream;

determining if the presence in the video bitstream of FEC codes that correspond corresponding to a portion of the retrieved video data are available;

retrieving at least one FEC codes code corresponding to the portion of retrieved video data from the video bitstream upon a positive determination of the presence thereof in the FEC codes presence determining step when the FEC codes are available; and

decoding using the FEC codes to decode the portion of the video data in accordance with the corresponding at least one FEC code such that the portion of the video data is recovered without corruption.

Claim 14 (Currently amended): The process method as defined recited in claim 13, wherein the FEC codes correspond to Bose-Chaudhuri-Hocquenghem (BCH) codes.

Claim 15 (Currently amended): The process method as defined recited in claim 13, further comprising the steps of:

providing a buffer;
storing the video bitstream in a the buffer;
retrieving in the video data retrieving step the video data from the buffer when retrieving video data from the video bitstream; and
retrieving in the FEC code retrieving step the at least one FEC code codes from the buffer when retrieving the FEC codes from the video bitstream.

Claim 16 (Currently amended): The process method as defined recited in claim 15, wherein the buffer is a ring buffer.

Claim 17 (Currently amended): The process method as defined recited in claim 13, further comprising the steps of:

receiving in the video bitstream ~~retrieving the video data from~~ a packet for a video object plane (VOP) and ~~retrieving the FEC codes from~~ a user data video packet associated with the VOP;

retrieving in the video data retrieving step the video data from the packet for the VOP; and

retrieving in the FEC code retrieving step the at least one FEC code from the user data video packet.

Claim 18 (Currently amended): The process method as defined recited in claim 13, further comprising the steps of:

receiving in the video bitstream a header code that specifies a subset of video data to which one or more of the FEC codes correspond; [[,]]) and

correcting in the video data decoding step ~~applying the FEC codes only to~~ the subset of video data in accordance with the at least one FEC code specified by the header code.

Claim 19 (New): The method as recited in Claim 13 further comprising the steps of:

evaluating the portion of video data to determine the presence of data corruption therein; and

performing the video data decoding step only upon a positive determination of the presence of data corruption in the video data evaluating step.

Claim 20 (New): The method as recited in claim 19, further comprising the steps of:

receiving in the video bitstream a header code that specifies a subset of video data to which one or more of the FEC codes correspond;

determining in the video data evaluating step a subset of video data corresponding to the portion of video data determined to be corrupted in the video data evaluating step; and

correcting in the video data decoding step only the subset of video data in accordance with the at least one FEC code.